

**From:** [Edlund, Carl](#)  
**To:** [Meyer, John](#)  
**Cc:** [Miller, Gary](#); [Sanchez, Carlos](#); [Phillips, Pam](#); [Foster, Anne](#); [Peycke, Mark](#)  
**Subject:** Re: San Jacinto Model Studies  
**Date:** Thursday, July 20, 2017 2:44:36 PM

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Thanks. After a couple of discussions with you and Tim Fields this morning, I told Tim that:

- EPA needed to confer with the Corps on Monday morning since we have not had an opportunity to do so since we received their questions
- I would call him Monday afternoon to schedule a conference call (probably next Thursday).

I agree with you that we need to expedite work by the Corps and USGS.

Sent from my iPad

On Jul 20, 2017, at 10:00 AM, Meyer, John <[Meyer.John@epa.gov](mailto:Meyer.John@epa.gov)> wrote:

Carl,

We have not been able to talk directly with USACE, specifically their modeler (Earl Hayter). Earl returned from vacation and immediately had to leave on work-related travel. He has not been available for a call. All we have able to get is a voicemail left after business hours stating that he will be back in the office next week. He also indicated that he has 5 weeks of work ahead of him to get us a summary of the model run he is currently doing. He is concerned that engaging on the PRPs request will delay this work effort. We will need to talk more about that.

We have scheduled a call with him for Monday morning. That is the earliest we are going to be able to get a sense of the response timeframes back to the PRP. In the meantime, I wanted to point out that Gary Miller has been in communication with the PRPs project manager, to keep them apprised of the situation.

John C Meyer  
Remedial Branch Chief  
Superfund Division  
214.665.6742

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**From:** Edlund, Carl  
**Sent:** Thursday, July 20, 2017 8:53 AM  
**To:** Meyer, John <[Meyer.John@epa.gov](mailto:Meyer.John@epa.gov)>  
**Subject:** Re: San Jacinto Model Studies

Thanks. I texted Fields that I would call him this morning

Sent from my iPad

On Jul 19, 2017, at 6:13 PM, Meyer, John <[Meyer.John@epa.gov](mailto:Meyer.John@epa.gov)> wrote:

Carl,

Sorry I have tied up in Tar Creek meetings today. I will follow up and see where we are at on this.

Sent from my iPad  
John C Meyer  
Remedial Branch Chief (6SF-R)  
Superfund Division  
214.665.6742  
214.460.5897 cell

On Jul 19, 2017, at 5:17 PM, Edlund, Carl <[Edlund.Carl@epa.gov](mailto:Edlund.Carl@epa.gov)> wrote:

Have we talked to USACE ? I am getting calls about a lack of response.

Sent from my iPhone

On Jul 18, 2017, at 12:01 PM, Edlund, Carl  
<[Edlund.Carl@epa.gov](mailto:Edlund.Carl@epa.gov)> wrote:

Thanks for this background.  
Tim Fields called me at 11:30 to ascertain whether we had a proposed conference call with the Corps scheduled. I said that I had just been briefed and learned that the Corps modeling expert had been on vacation for the past week or more, was expected to return yesterday but as of 11:00 today we were neither able to confirm his return nor talk with him despite trying. Tim suggested that we schedule a call first and then talk to the Corps person. I responded that we wouldn't schedule a response to the questions until we had talked with the Corps. I said I would call him as soon as we had information from the Corps.  
So ..let me know developments as the occur.

**From:** Miller, Garyg  
**Sent:** Tuesday, July 18, 2017 11:34 AM  
**To:** Edlund, Carl <[Edlund.Carl@epa.gov](mailto:Edlund.Carl@epa.gov)>;  
Phillips, Pam <[phillips.pam@epa.gov](mailto:phillips.pam@epa.gov)>  
**Cc:** Meyer, John <[Meyer.John@epa.gov](mailto:Meyer.John@epa.gov)>;  
Sanchez, Carlos <[sanchez.carlos@epa.gov](mailto:sanchez.carlos@epa.gov)>  
**Subject:** FW: San Jacinto Model Studies  
FYI  
Gary Miller

Remedial Project Manager  
EPA Region 6 Superfund Division, TX/Ark  
Section  
214-665-8318  
[miller.garyg@epa.gov](mailto:miller.garyg@epa.gov)

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**From:** Miller, Garyg  
**Sent:** Thursday, July 06, 2017 4:44 PM  
**To:** 'David Keith' <[dkeith@anchoragea.com](mailto:dkeith@anchoragea.com)>  
**Cc:** Sanchez, Carlos <[sanchez.carlos@epa.gov](mailto:sanchez.carlos@epa.gov)>; Foster, Anne <[Foster.Anne@epa.gov](mailto:Foster.Anne@epa.gov)>; Meyer, John <[Meyer.John@epa.gov](mailto:Meyer.John@epa.gov)>; Dave Moreira - Waste Management ([dmoreira@wm.com](mailto:dmoreira@wm.com)) <[dmoreira@wm.com](mailto:dmoreira@wm.com)>; Phil Slowiak <[philip.slowiak@ipaper.com](mailto:philip.slowiak@ipaper.com)>; Judy Armour ([jarmour@wm.com](mailto:jarmour@wm.com)) <[jarmour@wm.com](mailto:jarmour@wm.com)>  
**Subject:** RE: San Jacinto Model Studies

David,  
Thanks, I'll relay the questions/information below to the Corps to see if anything else exists that may shed light on your questions & send to you any additional information that turns up. Let's review what we get back from the Corps before deciding on how we should proceed.  
Regards,  
Gary Miller

Remedial Project Manager  
EPA Region 6 Superfund Division, TX/Ark  
Section  
214-665-8318  
[miller.garyg@epa.gov](mailto:miller.garyg@epa.gov)

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**From:** David Keith  
[<mailto:dkeith@anchoragea.com>]  
**Sent:** Thursday, July 06, 2017 3:54 PM  
**To:** Miller, Garyg <[Miller.Garyg@epa.gov](mailto:Miller.Garyg@epa.gov)>  
**Cc:** Sanchez, Carlos <[sanchez.carlos@epa.gov](mailto:sanchez.carlos@epa.gov)>; Foster, Anne <[Foster.Anne@epa.gov](mailto:Foster.Anne@epa.gov)>; Meyer, John <[Meyer.John@epa.gov](mailto:Meyer.John@epa.gov)>; Dave Moreira - Waste Management ([dmoreira@wm.com](mailto:dmoreira@wm.com)) <[dmoreira@wm.com](mailto:dmoreira@wm.com)>; Phil Slowiak <[philip.slowiak@ipaper.com](mailto:philip.slowiak@ipaper.com)>; Judy Armour ([jarmour@wm.com](mailto:jarmour@wm.com)) <[jarmour@wm.com](mailto:jarmour@wm.com)>  
**Subject:** RE: San Jacinto Model Studies  
Gary - We are in receipt of the USACE input files only, having been advised that the actual executable and output files were lost due to a

computer malfunction. We are requesting a call with USACE this week to discuss the issues/questions outlined in our July 5<sup>th</sup> email in further detail.

Thanks,  
David

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**From:** Miller, Garyg  
[<mailto:Miller.Garyg@epa.gov>]  
**Sent:** Thursday, July 6, 2017 10:10 AM  
**To:** David Keith <[dkeith@anchoragea.com](mailto:dkeith@anchoragea.com)>  
**Cc:** Sanchez, Carlos <[sanchez.carlos@epa.gov](mailto:sanchez.carlos@epa.gov)>; Foster, Anne <[Foster.Anne@epa.gov](mailto:Foster.Anne@epa.gov)>; Meyer, John <[Meyer.John@epa.gov](mailto:Meyer.John@epa.gov)>; Dave Moreira - Waste Management ([dmoreira@wm.com](mailto:dmoreira@wm.com)) <[dmoreira@wm.com](mailto:dmoreira@wm.com)>; Phil Slowiak <[philip.slowiak@ipaper.com](mailto:philip.slowiak@ipaper.com)>; Judy Armour ([jarmour@wm.com](mailto:jarmour@wm.com)) <[jarmour@wm.com](mailto:jarmour@wm.com)>  
**Subject:** RE: San Jacinto Model Studies

David,  
Thanks for your questions; they will be considered with a response later. I know you have some of the USACE model related files, but I don't know which ones. If you send a list of the relevant things that you have, I can check if there is anything else available that may relate to these questions.

Thanks,  
Gary Miller  
Remedial Project Manager  
EPA Region 6 Superfund Division, TX/Ark  
Section  
214-665-8318  
[miller.garyg@epa.gov](mailto:miller.garyg@epa.gov)

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**From:** David Keith  
[<mailto:dkeith@anchoragea.com>]  
**Sent:** Wednesday, July 05, 2017 1:15 PM  
**To:** Miller, Garyg <[Miller.Garyg@epa.gov](mailto:Miller.Garyg@epa.gov)>  
**Cc:** Sanchez, Carlos <[sanchez.carlos@epa.gov](mailto:sanchez.carlos@epa.gov)>; Foster, Anne <[Foster.Anne@epa.gov](mailto:Foster.Anne@epa.gov)>; Meyer, John <[Meyer.John@epa.gov](mailto:Meyer.John@epa.gov)>; Dave Moreira - Waste Management ([dmoreira@wm.com](mailto:dmoreira@wm.com)) <[dmoreira@wm.com](mailto:dmoreira@wm.com)>; Phil Slowiak <[philip.slowiak@ipaper.com](mailto:philip.slowiak@ipaper.com)>; Judy Armour ([jarmour@wm.com](mailto:jarmour@wm.com)) <[jarmour@wm.com](mailto:jarmour@wm.com)>  
**Subject:** RE: San Jacinto Model Studies

Gary - As discussed, we anticipate the meeting with USACE would involve a discussion. However, the following are a few basic questions that provide a framework for that technical discussion:

- Anchor QEA (AQ) recently ran the input files provided by USACE for the worst-case storm event (described in the USACE August 2016 Final Report) in our sediment transport model and the modeling results showed the existing cap should be stable under those conditions; however, the USACE report indicates there could be erosion over 80% of the cap area for the same storm. Based on USACE's previous review of AQ's modeling, can USACE identify any fundamental differences between its model framework and AQ's that can explain this discrepancy?
- AQ's understanding is the USACE sediment transport model framework is based on the AQ coarse grid long-term fate framework:
  - o Can USACE clarify how the USACE model was setup starting from the wave model, to the hydrodynamic, and finally the sediment transport models?
  - o What input files were used from AQ, and which were modified?
    - AQ understands how the hydrodynamic (flow and stage) input files are setup, and how the grid is setup:
      - o Were there any other changes to the upstream sediment load,

the  
bedmap,  
or bed  
properties  
(particle  
diameters,  
bulk  
density,  
bed  
content)?

<!--[if !supportLists]-->•<!--[endif]--  
>Can USACE describe its  
sedtran model framework?  
Does the framework include  
bedload that might explain how  
it can predict high scour  
depths?

We are ready to have a call with you and  
USACE at your earliest convenience.  
Thank you,  
David

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**From:** Miller, Garyg  
[<mailto:Miller.Garyg@epa.gov>]  
**Sent:** Friday, June 30, 2017 8:21 AM  
**To:** David Keith <[dkeith@anchoragea.com](mailto:dkeith@anchoragea.com)>  
**Cc:** Sanchez, Carlos <[sanchez.carlos@epa.gov](mailto:sanchez.carlos@epa.gov)>;  
Foster, Anne <[Foster.Anne@epa.gov](mailto:Foster.Anne@epa.gov)>; Meyer,  
John <[Meyer.John@epa.gov](mailto:Meyer.John@epa.gov)>  
**Subject:** FW: San Jacinto Model Studies

David,  
Please let me know if you plan to send a list of  
the technical questions/issues regarding the  
Corps of Engineers model study of Alternative  
3N.  
Thanks,  
Gary Miller  
Remedial Project Manager  
EPA Region 6 Superfund Division, TX/Ark  
Section  
214-665-8318  
[miller.garyg@epa.gov](mailto:miller.garyg@epa.gov)

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**From:** Miller, Garyg  
**Sent:** Thursday, June 15, 2017 11:49 AM  
**To:** David Keith <[dkeith@anchoragea.com](mailto:dkeith@anchoragea.com)>  
**Cc:** Sanchez, Carlos <[sanchez.carlos@epa.gov](mailto:sanchez.carlos@epa.gov)>;

Foster, Anne <[foster.anne@epa.gov](mailto:foster.anne@epa.gov)>

**Subject:** San Jacinto Model Studies

David,

Regarding our meeting today, please send a list of the technical questions/issues regarding the Corps of Engineers model study of Alternative 3N.

Thanks,

Gary Miller

Remedial Project Manager

EPA Region 6 Superfund Division, TX/Ark

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